

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously presented) A method for converting the bit rate of a compressed bitstream to use an available bandwidth of a channel, the method comprising:

re-quantizing a first portion of the bitstream that includes a B frame including video data using a first re-quantization scheme that does not decode the first portion into a pixel domain; and

re-quantizing a second portion of the bitstream that includes a P frame including video data or an I frame including video data using a second re-quantization scheme that includes full decoding and re-encoding of the second portion.
2. (Cancelled)
3. (Previously Presented) The method of claim 1 wherein the first re-quantization scheme includes basic re-quantization.
4. (Previously Presented) The method of claim 1 wherein the compressed bitstream is an MPEG compressed bitstream.
5. (Original) The method of claim 1 further including determining the available bandwidth of the channel.
6. (Previously presented) The method of claim 1 wherein the second re-quantization scheme creates a new motion vector for the second portion of the bitstream.
7. (Previously Presented) The method of claim 1 further including changing the resolution of the second portion.
8. (Original) The method of claim 1 wherein the first and second portion each include a frame of the video data.

9. (Cancelled).
10. (Cancelled).
11. (Previously Presented) The method of claim 1 wherein the first portion includes a P frame and the P frame is the last P frame in a group of pictures.
12. (Original) The method of claim 1 wherein the first portion comprises color video data.
13. (Original) The method of claim 1 wherein the second portion comprises brightness video data.
14. (Original) The method of claim 1 wherein the first and second re-quantization schemes are performed in real time.
15. (Original) The method of claim 1 further including monitoring the processing load of a processor in a network device.
- 16-25. (Cancelled)
26. (Previously presented) A system for converting the bit rate of a compressed bitstream to use an available bandwidth of a channel, the system comprising:
- means for re-quantizing a first portion of the bitstream that includes a B frame including video data using a first re-quantization scheme that does not decode the first portion into a pixel domain; and
 - means for re-quantizing a second portion of the bitstream that includes a P frame including video data or an I frame including video data using a second re-quantization scheme that includes full decoding and re-encoding of the second portion.

27. (Previously Presented) The system of claim 26 wherein the means for re-quantizing the first portion is included in the means for re-quantizing the second portion.

28. (Original) The system of claim 26 wherein the means for re-quantizing the first portion includes means for performing basic re-quantization.

29. (Original) The system of claim 26 wherein the means for re-quantizing the second portion includes means for performing motion compensated re-quantization.

30. (Currently Amended) A computer readable medium encoded with computer executable ~~including~~ instructions for converting the bit rate of a compressed bitstream to use an available bandwidth of a channel, the computer executable instructions comprising:

instructions for re-quantizing a first portion of the bitstream that includes a B frame including video data using a first re-quantization scheme that does not decode the first portion into a pixel domain; and

instructions for re-quantizing a second portion of the bitstream that includes a P frame including video data or an I frame including video data using a second re-quantization scheme that includes full decoding and re-encoding of the second portion.

31. (Previously presented) An apparatus for converting the bit rate of a compressed bitstream, the apparatus comprising:

memory,

a processor coupled to memory, the processor configured to re-quantize a first portion of the bitstream that includes a B frame including video data using a first re-quantization scheme that does not decode the first portion into a pixel domain and re-quantize a second portion of the bitstream that includes a P frame including video data or an I frame including video data using a second re-quantization scheme that includes full decoding and re-encoding of the second portion.

32. (Previously presented) The method of claim 1 wherein the second re-quantization scheme re-uses a motion vector for the second portion of the bitstream.

33. (Withdrawn) A method for converting the bit rate of a compressed bitstream to use an available bandwidth of a channel, the method comprising:

re-quantizing a first portion of the bitstream that includes chroma video data using a first re-quantization scheme that does not decode the first portion into a pixel domain; and

re-quantizing a second portion of the bitstream that includes luma video data using a second re-quantization scheme that includes full decoding and re-encoding of the second portion.